DATA VISUALIZATION CERTIFICATE

The Data Visualization Certificate brings together courses from diverse disciplines to provide the knowledge and skills required to build meaningful data visualizations. Students discover how artistic design, Big Data analytics, and research methods come together with the help of data visualization software tools to effectively communicate information.

Post-secondary Certificate - Data Visualization

Summary

Code	Title	Hours
Technology Component		3
Analytic Component		3
Design and Communication Component		3
Research Methods Component		3
Total Hours		**12**

Degree Specific Credits: 18

Required Cumulative GPA: 2.0

Technology Component

Code	Title	Hours
Complete the following course:		
ANTY 491	Special Topics (Data Visualization Tools)	3
Total Hours		**3**

Minimum Required Grade: C-

Analytic Component

Code	Title	Hours
Complete the following course:		
BMIS 326	Introduction to Data Analytics	3
Total Hours		**3**

Minimum Required Grade: C-

Design and Communication Component

Code	Title	Hours
Complete the following course:		
ARTZ 380	Data Arts	3
Total Hours		**3**

Minimum Required Grade: C-

Research Methods Component

Code	Title	Hours
Complete one of the following courses:		**3**
ANTY 401	Anthropological Data Analysis	
ANTY 408	Advanced Anthropological Statistics	
ANTY 412	Osteology	
ANTY 431	Ethnographic Field Methods	
ANTY 455	Artifact Analysis	
COMX 460	Research Methods	
ECNS 403	Introduction to Econometrics	
EDU 421	Statistical Procedures in Education	
JRNL 414	Investigations	
LING 475	Linguistic Field Methods	
PSCI 342	Media, Public Opinion, Polling	
PSYX 120	Introduction to Psychological Research Methods	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
SOCI 318	Sociological Research Methods	
STAT 216	Introduction to Statistics	
Total Hours		**3**

Minimum Required Grade: C-